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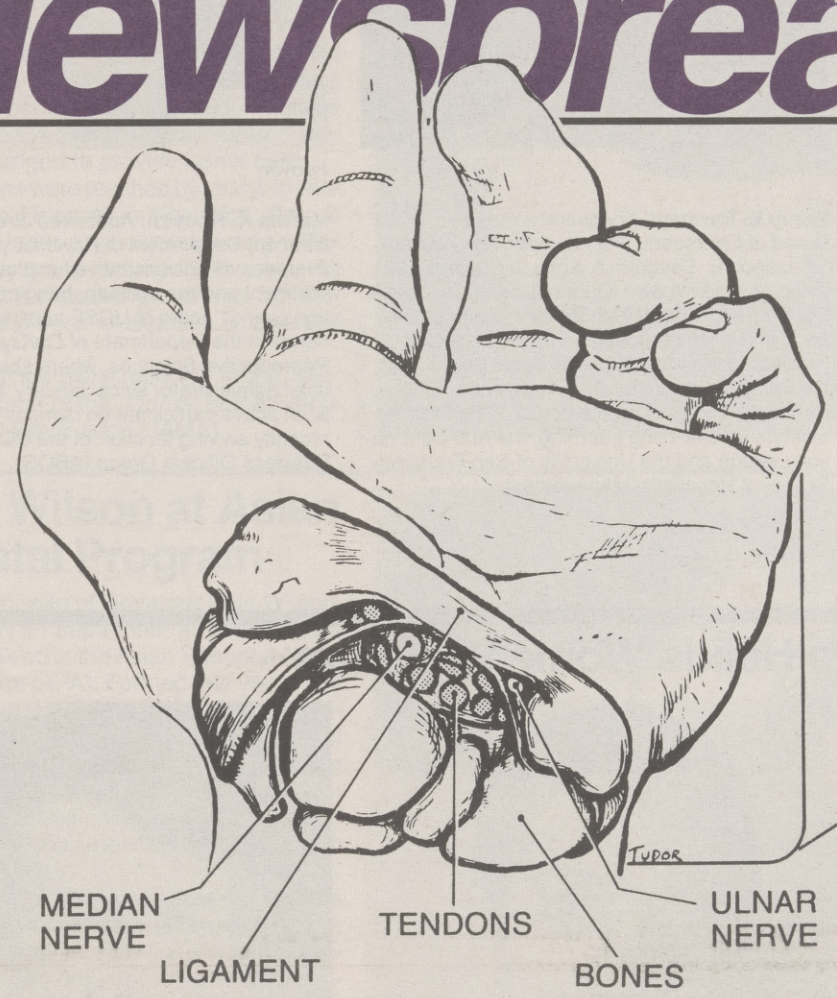
Volume 6, Number 17 *October 5-18, 1991*

UCSF Newsbreak



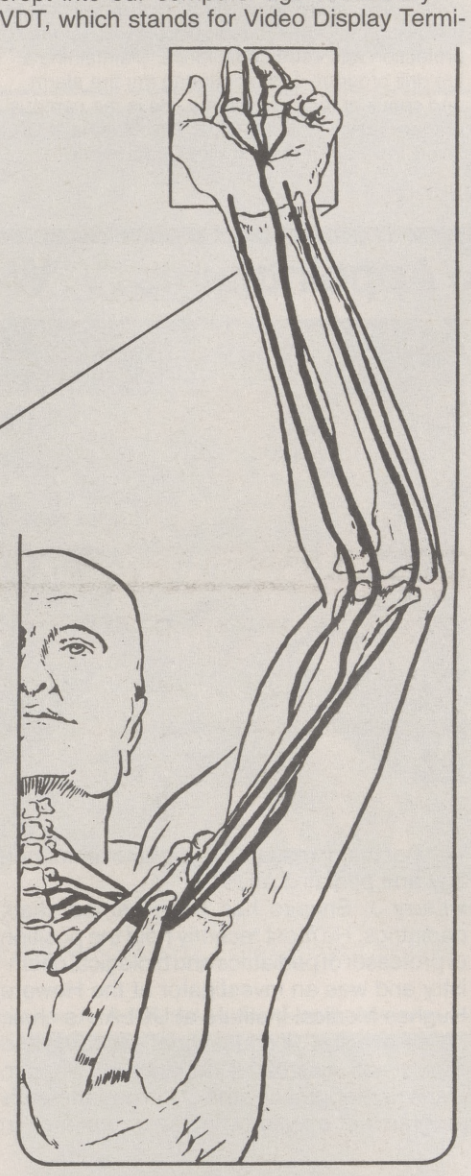
From *Cumulative trauma disorders* by Vern Putz-Anderson

(Above) A cross section of the wrist showing the carpal tunnel that serves as a passage for finger tendons and the median nerve; (right) pathway traced by three major nerves that originate in the neck and feed into the arm and hard.

VDT Task Force Set Up

The Computer Age Can Be a Real Pain

Over the last several years a new term has crept into our computer-age vocabulary — VDT, which stands for Video Display Terminal. What has crept in with the VDTs is a concern: they may be harmful to your health.



The City of San Francisco now has an ordinance, to be phased in over the next five years, which deals with VDT issues. While the ordinance exempts all state and federal facilities, Vice Chancellor Thena Trygstad felt it best to take a look at our campus to see how we match up.

A VDT Task Force was set up to see what kinds of computer-related problems we have and what individual concerns there might be. Chaired by Bill Neff, assistant vice chancellor, Labor Relations, the task force held two open meetings recently, one on campus and one at MCB.

It comes as no surprise that the actual VDT problems at UCSF are no different than anywhere else.

Pain from Repetition

The primary problem with VDTs is biomechanical. Task force member David Rempel, director of the Ergonomics Lab, a joint venture between UCSF and UC Berkeley which studies hand and arm biomechanics, explains: "The best available research data shows that there is a correlation between prolonged work on the VDT and pain and discomfort. Musculoskeletal problems do occur in some people, especially for those that sit from six to eight hours every day typing at a computer." Rempel, who also sees patients through the Division of Occupational Medicine, says that the pain is related to work stations not being set up properly, and people not taking adequate breaks and doing alternate work.

He says that somewhere between 20 to 30 percent of the people who use VDTs develop some kind of musculoskeletal problem and up to 5 percent of those people develop more serious problems, such as carpal tunnel syndrome (CTS) — damage to the median nerve which passes through the wrist. "We also see

(continued on page 6)

Y.W. Kan Wins Lasker Award

Genetics expert Yuet Wai Kan is the winner of the 1991 Albert Lasker Clinical Medical Research Award. It recognizes Kan's pivotal research in the applications of molecular biology to human genetics and specifically for pioneering DNA analysis for human diseases. Kan was one of five individuals winning Lasker Awards this year.

The Louis K. Diamond Professor of Hematology and professor, Laboratory Medicine and Medicine, Kan heads the Division of Molecular Medicine and Diagnostics and is an investigator in the Howard Hughes Medical Institute at UCSF. He also is the director of the Institute of Molecular Biology and honorary professor at the University of Hong Kong.

Kan's primary research interests are in the common inherited diseases of the blood — sickle cell anemia and thalassemia, which affect a large segment of the world's population. Diagnosis for these conditions previously relied on blood testing. In 1975, Kan discovered that a severe form of one of these diseases, known as alpha-thalassemia, was due to the lack of the gene-encoding for the alpha-globin, a major component of the hemoglobin molecule.

This was the first time a gene deletion was recognized as a cause of human disease. He then applied this knowledge to developing a DNA test and in 1976 successfully performed a prenatal diagnosis for this condition.

As recombinant DNA technology was being developed, Kan continued to devise applications for the diagnosis of human disease. He used restriction enzymes to cut DNA from patients with hemoglobin disorders into fragments for analysis. When comparing the fragment patterns from patients with and without sickle cell anemia, Kan discovered that the patterns differed, thus providing a DNA test for sickle cell anemia.

This 1978 discovery of DNA polymorphism today has found broad application to many

(continued on page 2)

David Powers

Y.W. Kan

"Race for the Cure" Oct. 27

Running may very well be one of the best things you can do for yourself. It reduces the risk of heart diseases, reduces body weight and lowers stress levels. But, running also is one of the best things you can do for someone else, especially when it's part of a race to raise money for a good cause.

A benefit run called "Race for the Cure" will be held the morning of Sunday, October 27, to raise enough money to give up to 3,000 free mammograms to the medically underserved women of the Bay Area. Gaining attention and raising people's consciousness about breast cancer throughout the US, the race will take place in 15 cities. The race is presented by the Susan G. Komen Breast Cancer Foundation and is sponsored locally by KRON-TV, KGO Radio, Safeway and others.

The free mammography program will be administered by UCSF's Mobile Breast Screening Unit (Mammography Van).

On race day, meet at Sharon Meadow in Golden Gate Park at Oak and Stanyan Streets. On-site registration will begin at 7 a.m. Aerobics warmups will be held at 8:15 a.m. At 9 a.m. there will be a 5K men's run, followed by a women's 5K run and a one-mile fun walk/run beginning at 9:15 a.m. A special category has been designated for breast cancer "survivors."

You may pre-register for $15 by calling 567-7774, or register the day of the race for $20. Perhaps you would like to join a UCSF team when you "Race for the Cure"? Just call Jimmy Choy at 476-1700 or Brenda Patterson at 476-8055. You'll not only get a free "Race for the Cure" T-shirt, but a free UCSF T-shirt.

A five-day pre-race rally will be held beginning on Sunday, October 6, at 5 p.m. in the park on Union Square, and will feature former

(continued on page 2)

Three Funny Ladies Help UCSF Welcome Women Oct. 23

Three top Bay Area comediennes — Marga Gomez, Renee Hicks and Karen Ripley — will help UCSF welcome new women to the campus on Wednesday, October 23, from 6:30 to 8:30 p.m. in the Millberry Union Conference Center.

Sponsored by the Women's Resource Center, "Women Welcome Women with Comedy . . . Just for Laughs" is an annual free event which provides an excellent opportunity for students, staff and faculty to welcome new women to the campus.

Here's the scoop on the entertainers:

- Marga Gomez describes herself as "a cross between Emma Goldman and Charo." Her comedic repertoire covers a wide range of issues, from political faux pas to raunchy do's and don'ts. She was featured on "Rosie O'Donnel's Stand-Up Spotlight" this summer on VH-1 and was voted in 1988 San Francisco's "Entertainer of the Year" at the Cabaret Gold Awards.
- Renee Hicks has appeared on the "Phil Donahue Show," "MTV Half-Hour Comedy Show" and "Showtime Comedy Network." Hicks says, "I do people humor. I want everyone, regardless of background, gender, nationality or political affiliation to find at least 90% of what I do funny. Some people find

(continued on page 2)

Gazette

Honors & Awards

Petitti

Diana B. Petitti: Appointed a member of the National Board of Medical Examiners Preventive Medicine & Public Health Test Committee. Members develop new test items and continually work to improve the evaluation process in order to ensure the high quality of the Board's examination program. Petitti is associate professor, family & community medicine.

Michael J. Aminoff: Delivered the Jerome K. Merlis Lecture in Neuroscience, University of Maryland in May, and has been appointed to the board of directors of the American Board of Electrodiagnostic Medicine. Aminoff is professor, neurology; director, Clinical Neurophysiology Laboratories.

Appointments

Cunningham

Jerry Cunningham: Appointed campus fire marshal, Environmental Health & Safety. For the past five years, he has worked as a consultant for Rolf Jensen & Associates, a fire protection engineering and code consulting firm. As such, he did consulting work on campus for several different projects. Cunningham is responsible for overseeing all fire inspections and investigations, reviewing new construction documents for fire protection and code compliance, maintaining a fire drill program and monitoring the fire alarm and sprinkler testing systems. He is the campus' primary liaison with the State Fire Marshal's Office & the San Francisco Fire Department.

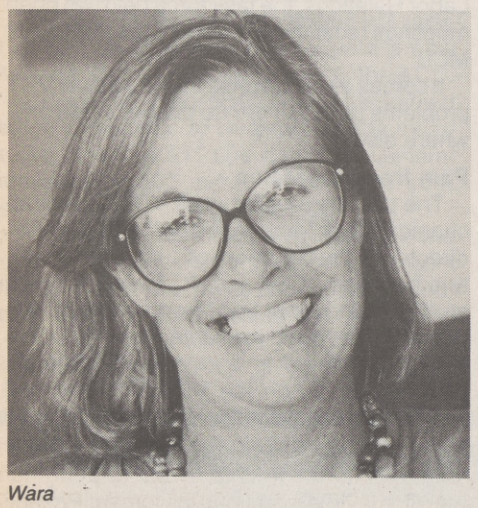
Berman

Henry E. Berman: Appointed a member, UCSF Board of Overseers. He has been a consultant for Joseph E. Seagram & Sons, Inc., since 1971, when he sold his own liquor house, H. Berman & Co. This new board member also is one of five fire commissioners for San Francisco. A past member of the Mount Zion Hospital Board and the San Francisco Visitors & Convention Bureau, Berman is currently on the board of the Fromm Institute for Life-Long Learning, the Anti-Defamation League and the University of San Francisco School of Hospitality Management.

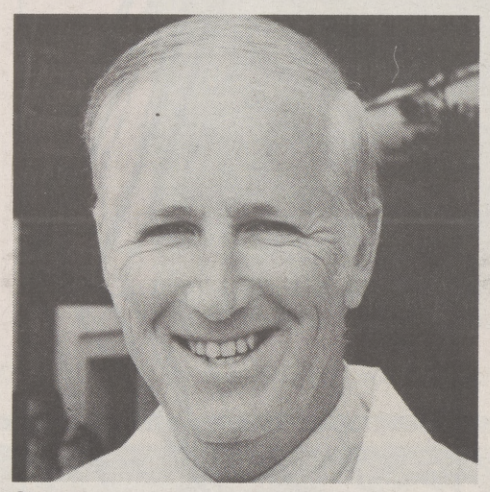
Hooven

Martha A. Hooven: Appointed director of administration, Department of Psychiatry & LPPI. She oversees all administrative functions of the department and the Institute, bringing to the position over 11 years of UCSF administrative experience in the Department of Ob/Gyn & Reproductive Sciences, where she had been chief administrator since January 1988. Hooven is an active participant on campus committees, recently serving as chair of the UCSF Academic Business Officers Group (ABOG).

New School of Medicine Appointments . . . Wara Heads Women's Affairs



Wara



Shapiro

Mikkel Aaland

Drake

Nicoll

Four new appointments have been made in the School of Medicine.

• Diane W. Wara has been appointed associate dean for women's affairs. This is a new position and the first in any UCSF school to address the unique needs of women in the health sciences. Wara will develop and supervise policies and programs that are aimed at improving the environment for women faculty, medical students and postdoctoral and postgraduate students. She will continue as division head in the Department of Pediatrics with her major research interests in immunology and pediatric AIDS.

• Larry J. Shapiro has been named chair, pediatrics. He most recently held the position of professor of pediatrics and biological chemistry and was an investigator at the Howard Hughes Medical Institute at UCLA. As chair, he will oversee all educational, research and clinical activities of the department. Shapiro plans to strengthen some of the department's programs in oncology, increase research in developmental biology and look for applications of cell and molecular biology to pediatrics.

• Michael V. Drake has been appointed assistant dean, student affairs. Responsibilities in this new position in the Dean's Office include advising students on personal issues and making appropriate referrals to other resources; acting as a liaison between faculty advisors and students; advising Associate Dean Emilie Osborn about student needs; and helping to develop new student programs. Drake also holds the title of associate professor, ophthalmology.

• Roger Nicoll has been appointed interim chair, pharmacology. He will oversee the department until the position is filled with a permanent appointment. Nicoll's primary research interests lie in the communication between nerve cells in the mammalian brain, how neurotransmitters work and the basis for synaptic plasticity. He is a professor of pharmacology and physiology.

Race *(from page 1)*

San Francisco Giants pitcher Dave Dravecky. The UCSF Mammography Van will be at Union Square offering breast screenings at $50 each from Monday, October 7, to Thursday, October 10. Anyone wishing to make an appointment should call 476-2193.

The UCSF Mammography Van also will be on hand the day of the race offering breast screenings. (For a complete schedule of where the van will be in the next two weeks, see the inside calendar, page 4.) October is Breast Cancer Awareness Month, and the Mammography Van has many more events planned. See page 8 for details.

Kan *(from page 1)*

human diseases. Scientists use techniques based on his work using DNA samples taken from amniotic fluid to diagnose a range of genetic diseases before birth. These techniques also are used to locate genes in human chromosomes and constitute an important component of the Human Genome Project, a worldwide genetic mapping effort now under way.

To date, 49 Lasker Award winners have gone on to win Nobel Prizes, including UCSF's Harold E. Varmus and J. Michael Bishop. Other Lasker Award winners from UCSF include Herbert W. Boyer and John L. Ziegler.

Recycle Those Telephone Books

Don't toss those old PacBell telephone directories in the garbage. Instead, recycle them. From Monday, October 7, to Wednesday, October 23, just leave your PacBell telephone books outside your office and the campus and medical center custodial staff will pick them up each evening. In addition, you can pick up your new PacBell telephone books beginning Monday, October 7, in Millberry Union room G 19 and at Mission Center on the first floor in the mailroom. For further information, call Andy at 476-6936.

Women Welcome Women *(from page 1)*

100% of what I do funny and those are the truly sick people in our society."

• Cable Car Award nominee for outstanding female comic in 1987, 1989 and 1990, Ripley also is the co-creator of the improvisational group "Over Our Heads." Known for her Jackie Vernon type deadpan, Ripley describes herself as "never being the girl next door . . . unless you live in a neighborhood populated by nerds, drunks and tabloid heroes."

So, grab a bite to eat and go the Millberry Conference Center from 6:30 to 7 for a little dessert. Then, sit back and get your funny bone excited. If you need further information, call 476-5836. (Yes, of course, "Women Welcome Women" welcomes men as well.)

"Women Welcome Women" is co-sponsored by the Rape Prevention Education Program, Graduate Students' Association, Associated Students of UC, Arts & Performances, EMPACT!, and the Office of Student Relations.

Grieving Parents Support Group

If you have lost a child to a serious illness, the Family Bereavement Program at Mount Zion Medical Center of UCSF could help you. The program offers support groups for parents, siblings or grandparents who have lost a child to a terminal illness. The free support group, staffed by professionals, meets weekly for 12 sessions at the UCSF Laurel Heights campus. For the time and date of the next available session, call Laura Koehler, Mount Zion Patient & Family Services, 885-7529.

UCSF *Newsbreak*

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Deadline for the next issue, which will cover October 19-November 1, 1991 will be on **Tuesday, October 8, at 11 a.m.** Please send campus news copy to Allen Balderson, Medical Center news to Dawn Finch, and calendar and gazette items to Michele Firpo, all at Box 0462. Last-minute copy can be taken over the telephone by calling 476-1541.

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Michela Reichman, editorial advisor

$500 Million to Treat Cocaine Babies

Babies born to cocaine-using mothers have serious health problems requiring intensive care and longer hospital stays. A new study by health economist Ciaran Phibbs, formerly of the UCSF Institute for Health Policy Studies, has found that the care given to those babies costs some $500 million a year. The intent of the study was to look at the potential cost-effectiveness of prevention and treatment programs for these mothers, thus reducing the need for newborn intensive care, says Phibbs, who now is with the VAMC in Palo Alto.

The infant costs were due primarily to serious illnesses related to low birth weight or premature birth that require treatment in newborn intensive care units, said Phibbs. The study found cocaine-exposed infants had significantly lower birth weight, lower gestational age, and higher rates of admission to intensive care units, and incurred higher costs and longer hospital stays. In many cases an infant became a hospital "boarder baby" with its discharge delayed until a social support system was arranged to provide home care.

Conclusions were reached by studying data from Harlem Hospital in New York City, a large, public inner-city hospital, during 1985-86. The study group included 355 newborns in the cocaine-exposed group and another 199 infants who were not exposed, who served as controls.

Study findings were reported in the September 18 issue of the *Journal of the American Medical Association* (JAMA).

Robert Foothorap

Caruso and Other Friendly Ghosts at the Palace

Lillian Russell and Enrico Caruso were just two of the historical notables brought back to life to entertain the nearly 500 School of Medicine Dean's Associates on September 19 at the Sheraton Palace Hotel. The annual dinner event, which honors donors of $1,000 or more, also featured such UCSF and Victorian era figures as Hugh Toland (the School's founder), Richard Beverly Cole (the School's first dean) and Lucy Maria Field Wanzer (UCSF's first female medical school graduate). One of the highlights of the evening was a speech by Toland that emphasized the School's colorful and controversial beginnings and its current renown.

Gayle Wilson at Asian Perinatal Program

Gayle Wilson, wife of Governor Pete Wilson, was at SFGH on September 23 to visit Asian families involved in the Asian Perinatal Advocates program (APA). Formed four years ago by Don Wong, UCSF associate clinical professor of pediatrics and medical director of the SFGH nursery, APA helps families from Southeast Asia and China cope with language barriers, cultural shock and post-traumatic stress associated with immigrants from war-torn countries.

Over the years, APA has addressed issues of child abuse, mental illness, family violence, social isolation and many superstitious reactions to babies born with congenital abnormalities. By providing medical care, counseling and educational support to some 1,000 families, APA is helping the Asian family adapt to its needs in a western culture.

Wilson's visit is a result of her active promotion of programs aimed at ensuring that all of California's children begin their lives healthy and ready to learn.

That evening, Wilson was the keynote speaker at APA's annual fundraising dinner, at which time Wong was honored for his work.

Don Wong (left) explains to Gayle Wilson the medical background of a child who is a member of the Asian Perinatal Advocates program.

New Center for STD Research

Thanks to a grant from the National Institute of Allergy and Infectious Diseases, a new center has been established on campus for research into sexually transmitted diseases (STDs). It is one of four Cooperative Research Centers (CRC) to be established across the nation with total first-year funding of some $4 million.

Each CRC will address central questions on at least three different STD organisms or syndromes. The serious complications of STDs disproportionately affect women, including infertility, ectopic (tubal) pregnancy, cervical cancer, premature delivery, miscarriage, and neonatal death. Equally important is the concern that many STDs appear to increase the transmission of HIV.

At UCSF the CRC will be run by Julius Schachter, professor, laboratory medicine, epidemiology and biostatistics. He and colleagues will explore ways to prevent the complications of chlamydia and human papillomavirus infections in women. Projects will include looking at the molecular epidemiology of chlamydial infections, a better definition of risk factors for "silent" or asymptomatic pelvic inflammatory disease, plus evaluating intensive behavioral intervention to prevent STD-related urethritis in men.

A First for the School of Nursing

Diana Taylor (right), an assistant professor in the Department of Family Health Care Nursing and the director of the Women's Primary Care Program, accepted a check for $10,000 from Carol Jane (left), representing Wyeth-Ayerst Laboratories. This is the first time that Wyeth-Ayerst, which has been a supporter of medical programs, has made a gift to the School of Nursing. The money will go toward preparing nurse practitioners as women's primary health care providers. Taylor's research emphasis is the development of nurse-run clinics for what she calls "vulnerable populations," such as the one she directs for pregnant adolescents.

"Prevention is Primary"

Last week, SFGH kicked off its campaign to promote healthcare worker safety with the goal of immunizing all healthcare workers at risk for hepatitis B and decreasing needlestick exposures to HIV and hepatitis. One of the many activities was "Spin the Wheel of Fortune," an educational tool which heightened awareness of occupational health and safety issues, including infection control precautions and the reporting and treatment of needlesticks, splashes and other types of exposures. At the wheel are (left to right) infection control nurse Blanca Cantu, Billing Department's Betty Comming and Becky Chow from Medical Records.

Today/Tomorrow

5 Saturday

WOMEN'S RESOURCE CENTER WORKSHOP: *Remodeling Your House or Apartment.* Women Empowering Women tradeswomen conduct this workshop. $35-$55. N 517. 10 a.m.-4 p.m. Call 476-5836 to pre-register.*

LOW VISION FORUM: Henry Kruse, CA Orientation Cntr. for the Blind, discusses the Center's programs. Forums held on first & third Saturdays of each month. Main foyer, ACC. 11 a.m.-1 p.m. Call Frances Neer at 626-5313 for information.*

WILDERBURBANITES BOOGIE

"Where the outdoor elite come off the street to shake their hips & stomp their feet." Live dance jam with Blues Disaster. Free refreshments. Sponsored by Outdoors Unlimited. $10. MU Conf. Cntr. 8 p.m.*

7 Monday

BREAST CANCER SCREENING SCHEDULE

Women can have low-cost mammograms—X-rays to screen for breast cancer—from a mobile van that travels to convenient locations in the Bay Area.

Women need the approval of their physician to have the mammogram, in addition to their physician's full name, address (including room number & zip) & phone number to assure results are mailed promptly. The procedure takes approximately 20 minutes & costs $50. To make an appointment call 476-2193 between 9 a.m. & 3 p.m.

The van will be at the following locations for the next two weeks:

- Oct. 7-10: Union Square. On Post between Stockton & Powell. (See "Race for the Cure" story on page 1.)
- Oct. 11: UCSF. On Parnassus at Medical Cntr. Way.
- Oct. 14: Pier 1 Imports. 2149 Fashion Island Blvd., San Mateo.
- Oct. 15: Pier 1 Imports. 2501 El Camino Real, Redwood City.
- Oct. 16-17: Pier 1 Imports. 101 Colma Blvd., Colma.
- Oct. 18: UCSF-MCB. 1855 Folsom St. in parking lot behind building.

A $50 mammogram also is available at the Mount Zion radiology department. Call 885-7710.

OTOLARYNGOLOGY GRAND ROUNDS: *Paranasal Sinus Physiology.* Kelvin C. Lee, Oto. *Paranasal Sinus Surgery.* Thomas A. Tami, Oto. S 214. 8-10 a.m.

VAMC NEURORADIOLOGY ROUNDS. Rm. 2A56, VAMC. 9:15-10 a.m.

FRIENDS OF LOIS AL-ANON MEETING. Closed meeting: for friends & families of alcoholics only. Rm. 300C, MCB. Noon.

LAUREL HEIGHTS BROWN BAG LECTURE SERIES: *Twelve Steps to Cancer Prevention & Better Health.* Ernest H. Rosenbaum, Med. & CRI. Sponsored by Campus Tours & Speakers Bureau. UCSF-Laurel Heights Cafeteria. 12:30-1:30 p.m. Call 476-4394 for information.*

SEP KICKOFF

The campus is invited to the Science & Health Education Partnership kickoff event. MU Conf. Cntr. 4 p.m. Call 476-0300 for information.*

LABORATORY MEDICINE GRAND ROUNDS: *Adhesion Protiens in Hemopoietic & Endothelial Cells.* Dorothy F. Bainton, Path. L 535. 4-4:50 p.m.

CVRI/PROGRAM OF EXCELLENCE IN MOLECULAR BIOLOGY SEMINAR: *Signal Sorting in G Protein Alpha Chains.* Henry Bourne, Pharm. S 1364. 4-5:30 p.m.

IMMUNOLOGY SEMINAR SERIES: *Some Recent Evolution of Class I HLA Molecules.* Peter Parham, Cell Bio., Stanford. HSW 302. 5 p.m.

ENDOUROLOGY CONFERENCE. M 464. 5:30-7 p.m.

THE NEXT DEADLINE

Tues., Oct. 8 is the deadline for items to be listed in the next calendar, which covers **Oct. 19-Nov. 1** (two weeks). They must be received in our office in writing by 11 a.m. on that Tuesday. Mail your copy to Michele Firpo at Box 0462, call 476-1541, send a fax to 665-8668 or bring it to S 20.

8 Tuesday

PLASTIC SURGERY GRAND ROUNDS: *Breast Reduction & Mastopexy.* Kevin Ciresi, Plast. & Recon. Surg. Rm. 200/1A-122, VAMC. 7 a.m.

CLINICAL HEMATOLOGY CONFERENCE. M 1296. 7:30-8:30 a.m.

MULTIDISCIPLINARY TUMOR BOARD: M 1296. 7:30 a.m. Call Barbara Jim-George, 476-1662.

ORAL & MAXILLOFACIAL SURGERY GRAND ROUNDS: *Non-Surgical Management of Temporomandibular Joint Disorders.* Charles McNeill, Temporomandibular Joint Clin. & Rest. Dent. C 701. 8 a.m.

TRANSFUSION RESEARCH FORUM: *Signal Transduction by B-Cell Antigen Receptors.* Anthony DeFranco, Microbio/Imm. L 535. 8:30 a.m.

SFGH PEDIATRIC GRAND ROUNDS: *Current Approaches & Strategies for Primary Nocturnal Enuresis.* Kenneth Saul, Ped., Children's Hosp., LA. Carr Aud., SFGH. 8:30-9:30 a.m.

OB/GYN GRAND ROUNDS. S 1364. 9 a.m.

PEDIATRIC NEURORADIOLOGY CONFERENCE. HSE 317. 9 a.m.

MULTIPLE HELPERS OUTREACH NETWORK SUPPORT GROUP: For victims & survivors of violent trauma. Ages 18 & over. A 222, LPPI. 10 a.m.-noon. Help-line provided daily, 7 a.m.-10 p.m. at 759-7923.*

SFGH MEDICINE GRAND ROUNDS. Carr Aud., SFGH. 11:30 a.m.

FRIDA KAHLO'S ART

The Life & Art of Frida Kahlo. Maria Pinedo, Galeria de la Raza, discusses this Mexican painter's inspiration & haunting self-portraits. Sponsored by the Women's Resource Cntr. HSW 300. Noon-1 p.m. Call 476-0400.*

OVEREATERS ANONYMOUS MEETING: Regular OA discussion meeting. N 717B. Noon.*

DENTISTRY DEAN'S SEMINAR: *Biological Basis & Clinical Aspects of Guided Tissue Regeneration.* Thorkild Karring, Periodont. & Oral Gerodont., Royal Dental College, Arhus, Denmark. C 701. 12:30-1:45 p.m.

VOLUNTEER ORIENTATION: To acquaint new & potential volunteers with opportunities available in the Medical Center at UCSF. LPPI Aud. 2-4 p.m. Call 476-1196 for information.*

VAMC EEG READING SESSION. Bldg. 203, Rm. 2A49, VAMC. 3 p.m.

BIOCHEMISTRY & BIOPHYSICS SEMINAR: *TGF-ß, c-myc & Tumor Suppressor Genes.* Harold Moses, Cell Bio., Vanderbilt. HSW 301. 4 p.m. Student lunch with speaker at noon in S 980. Sign up in S 962.

EPIDEMIOLOGY & BIOSTATISTICS SEMINAR: *Why Hispanics Use Condoms: A 9-State Study.* Barbara Marin, Epid. & Biostat. S 1364. 4-5 p.m.

SFGH GI MEDICINE/SURGERY/RADIOLOGY IMAGING CONFERENCE. Rm. 1X58, SFGH. 4-5 p.m.

NEUROLOGY GRAND ROUNDS: *Pseudochoreathetosis.* Frank Sharp, Neuro. S 664. 5-6 p.m.

SOCIAL CLUB "STARTS UP"

Financial Planning & the Single Professional. John Beeson, Fin. Plan. UPSTARTS (University Professionals, Single, Thirty-Plus, and Ready to Socialize) invites those interested to their first official meeting. MU Conf. Cntr. 5:30-7 p.m. Call Pat Jackson at 476-4698 for more information. (See page 6 for details.)*

LUPUS SUPPORT GROUP: Meets second Tues. of the month. C 27, MZ. 7-9 p.m. Call 885-1720.*

9 Wednesday

SURGERY GRAND ROUNDS: *Pheochromocytoma.* Quan-Yang Duh, Surg. HSW 300. 7-8 a.m.

SFGH ORTHOPEDIC SURGERY STAFF CONFERENCE. Rm. 5K8, SFGH. 7:30-9 a.m.

OCCUPATIONAL & ENVIRONMENTAL MEDICINE GRAND ROUNDS: *Hospital Health & Safety Administration.* Lee Wugofski, Cntr. for Municipal Safety & Hlth. Bldg. 30, 5th fl., SFGH. 8-9 a.m.

DERMATOLOGY GRAND ROUNDS: *Moh's.* Roy Grekin, Derm. HSW 301. 8-9 a.m.

NUCLEAR MEDICINE SEMINAR: *History of Nuclear Medicine.* Tom Budinger, Rad., UCB. LPPI Aud. 8:30 a.m.

BROWN BAG LECTURE SERIES: *Women & Anger: How to Recognize & Use Anger Effectively.* Karen S. Johnson, Psychr. HSW 300. Sponsored by Campus Tours & Speakers Bureau. Noon. Call 476-4394.*

PARNASSUS AL-ANON MEETING: For friends & families of alcoholics. C 517. Noon-1 p.m.*

ALCOHOLICS ANONYMOUS MEETING: Closed meeting: alcoholics only. Rm. 300C, MCB. 12:05 p.m.*

MULTIPLE HELPERS OUTREACH NETWORK SUPPORT GROUP: For victims & survivors of violent trauma. Ages 18 & over. Two locations & times: A 222, LPPI, 1-3 p.m., and N 517, 7-10 p.m. Help-line also provided daily, 7 a.m.-10 p.m. at 759-7923.*

PSYCHIATRY GRAND ROUNDS: *Somatization, Conversion, & Dissociation: A Reconsideration.* John C. Nemiah, Psychr., Dartmouth & Harvard. LPPI Aud. 1-2 p.m.

HEAD & NECK TUMOR CONFERENCE. A 723. 1 p.m.

NICARAGUAN ART SHOW

The Prog. in Hlth. Sci. & Human Survival presents Nicaraguan contemporary & folk art with a lecture by author & historian Gary Ruchwarger. Proceeds will benefit the Single Mother Workers Project in Managua & the SF Bay Area Chapter of Physicians for Social Responsibility. MU Conf. Cntr. 2-5 p.m. Call Chris Keifer at 476-7543.*

FACULTY DEVELOPMENT PROGRAM: New & junior faculty, advanced grad students, postdocs & other interested academic appointees are invited to attend informal program on academic appointments. Fac. Alum House. 3-5 p.m.

SEMINARS IN BIOLOGY SERIES: *Biogenesis & Synaptogenesis of Actylcholine Receptor.* Toni Claudio, Cell & Mol. Bio., Yale. HSW 300. 4 p.m.

CHILD NEUROLOGY CONFERENCE. M 666. 4:30 p.m.

UROPATHOLOGY CONFERENCE. M 464. 5-6 p.m.

MUSIC IN THE LIBRARY

Sopranos Eileen Hunt, Ob/Gyn, & Liz Velarde, Acct., perform baroque & contemporary chamber music with harpsicord, violin & other instruments in this first in a series of concerts. Preceded by wine & cheese reception. This year's Twilight Concert. Co-sponsored by the Sarah B. Childs Chamber Music Fund. Lange Reading Rm., Library. $4/$2. 5 p.m. Call 476-2542.*

GREAT EXPECTATIONS PROGRAMS FOR PARENTS: *Choosing Child Care for Toddlers & Infants.* Meryl Glass, UCSF Marilyn Reed Lucia Child Care Study Cntr.; Byron Sigal, UCSF Child & Elder Care Referral Serv.; Michel Inaba, Psych. Co-sponsored by the UCSF Health Net. LPPI Aud. 7-9 p.m. Call 476-6667.*

SAN FRANCISCO HISTORY CLASS: Charles Fraccia, SF Hist. Society, lectures on San Francisco's colorful history. HSW 301. 7:30-9:30 p.m. Call 775-1111 for information.*

10 Thursday

ORTHOPEDIC SURGERY STAFF CONFERENCE. HSW 303. 7-8 a.m.

MEDICINE GRAND ROUNDS: *Systolic Hypertension.* W. McFate Smith, Med., UCB. Toland Hall. 8-9 p.m.

PEDIATRIC GRAND ROUNDS: *What Is New in the Diagnosis & Treatment of Hemangiomas & Vascular Malformations?* Ilona J. Frieden, Derm. & Ped. S 664. 8-9 a.m.

SFGH NEUROLOGY/NEUROSURGERY CONFERENCE. Rm. 4H2, SFGH. 8-9 a.m.

OPHTHALMOLOGY GRAND ROUNDS: *Chorioretinal Ischemia After Ocular Surgery: How Do We Diagnose & Manage It?* Lawrence Yannuzzi, Oph., Manhattan Eye & Ear Hosp. Case presentation: *Oculoplastics.* S 214. 8:30-10 p.m.

SFGH TRAUMA CENTER CONFERENCE. Rm. 4H2, SFGH. 9-10 a.m.

FAMILY & COMMUNITY MEDICINE/PRIMARY CARE LECTURE SERIES: *Approaches to Alcoholism.* Gerrit Blauvelt, Psychr.; Charles Becker, Med., Cntr. for Occ. & Env. Hlth., Occ. Med. & Tox., SFGH. A 455. 10 a.m.-noon.

NEUROLOGY/NEURORADIOLOGY CONFERENCE. HSE 317. 10-11 a.m.

PEDIATRIC TUMOR CONFERENCE. L 34. 11 a.m.-12:15 p.m.

MEDICAL ANTHROPOLOGY SEMINAR: *The Hen That Can't Lay an Egg: Preliminary Findings on Infertility Research in Beijing.* Lisa Handwerker, Med. Anth. Rm. 218, Laguna Honda Schl. Noon-1 p.m.

OVEREATERS ANONYMOUS MEETING: Step meeting. N 527. Noon.*

MISSION CENTER BROWN BAG SERIES: *Dare to Do It: Mastering Risk.* Carolyn Kellams, Natl. Training Forum. Sponsored by Campus Tours & Speakers Bureau. Rm. 125, MCB. Noon-1 p.m. Call 476-4394.*

ORAL BIOLOGY 220 SEMINAR: *The Role of Cell Adhesion Molecules in Differentiation.* Caroline H. Damsky, Stom. & Anat. S 664. Noon.

PHARMACEUTICAL CHEMISTRY 221 SEMINAR: *Synthesis of the Antileukemic Substance Rocaglamide.* Ralph A. Raphael, Chem., Cambridge, England. S 1364. 3 p.m.

MEDICINE/SURGERY ADULT CARDIAC CATHETERIZATION CONFERENCE. L 1361. 4-6 p.m.

CLINICAL ONCOLOGY CONFERENCE. M 1296. 4 p.m.

NEURORADIOLOGY CONFERENCE. HSW 303. 4 p.m.

PRIMARY CARE GRAND ROUNDS: *Alcohol Treatment for Patients without Insurance.* Joe Mattox, Fac., Staff & Stud. Asst. Prog. A 455. 4:30 p.m.

NEUROSURGERY GRAND ROUNDS. HSW 302. 5-6:30 p.m.

RADIOLOGY GRAND ROUNDS: *Residents vs. Faculty: The Chest Bowl.* Gordon Gamsu, Rad., Med. & Thor. Imag. HSW 301. 5:15-6:15 p.m.

COLE HALL CINEMA: *Thelma & Louise.* Children under 14 $2; UCSF students & MU members $2.50; students, seniors & UCSF employees (today only) $3; general $3.50. Cole Hall. 5:45 & 8:30 p.m. (Movies subject to change.) Call 476-2542.*

ALCOHOLICS ANONYMOUS MEETING: Closed meeting: alcoholics only. LPPI A222. 6 p.m.*

COMMUNITY HEALTH TALK: *Exercise for the Knee: What's Good & What's Bad?* W. Dilworth Cannon, Jr., Orth. Surg. Sponsored by Public Serv. Outreach Prog. Free parking available. Toland Hall. 7-8:30 p.m. Call 476-8429.*

MACY'S FASHION SHOWS OCT. 10 & 11

Passport '91: Urban Couture. Macy's, UCSF Auxiliary & UCSF Foundation sponsor this two-day show of city-inspired, street-wise fashions by top designers from the US & around the world. Proceeds go to benefit UCSF's AIDS programs.

- Thurs., Oct. 10: Gala Reception & Fashion Show, featuring buffet catered by five top Italian restaurants for $150 & $100 ticket-holders in Fort Mason Cntr. $35 & $25 ticket-holders attend buffet in Herbst Pavilion. Buffets 6 p.m. Show 8 p.m. Call 476-3403 for tickets.
- Fri., Oct. 11: Fashion Show & Wine Reception. Tickets $25/$15. Reception 7 p.m. Show 8 p.m. Call 762-BASS for tickets.

11 Friday

CRI HEMATOLOGY/ONCOLOGY JOURNAL CLUB. M 1296. 8 a.m.

MOUNT ZION MEDICINE GRAND ROUNDS. Herbst Hall, MZ. 8:30-9:30 a.m.

CHILD & ADOLESCENT PSYCHIATRY CONFERENCE: *Mental Retardation Research: Paradigms for Prevention.* Irving Philips, Child & Adol. Pscyhr. LPPI Aud. 10:10-11:30 a.m.

SFGH PROGRAM IN CELLULAR & MOLECULAR MEDICINE SEMINAR: *The Effects of Experimental Brain Injury on Hippocampal Structure & Function.* Dan Lowenstein, Neuro. Rm. 3208, 2nd fl., Bldg. 30, SFGH. Noon.

October 5-18, 1991

INSTITUTE OF HEALING ARTS & SCIENCES LECTURE: *Holoenergetic Healing.* Leonard Lascow, physician. Learn to trace the source of illness, then transform it into wellness. N 721. Noon-1 p.m.*

ALCOHOLICS ANONYMOUS MEETING: Closed meeting: alcoholics only. C 417. 12:10-1 p.m.*

INSTITUTE OF HEALING ARTS & SCIENCES WORKSHOP: *Biothermic Control: Traditional Mexican Medicine.* Arturo Alcazar, teacher, healer & researcher of Mayan healing practices, leads this four-session workshop. Other sessions on Oct. 14, 18 & 25. $40 general, students free. C 130. 6:30-9:30 p.m.*

COLE HALL CINEMA: *Thelma & Louise.* Children under 14 $2; UCSF students & MU members $2.50; students & seniors $3; general $3.50. Cole Hall. 6:30 & 9:15 p.m. (Movies subject to change.) Call 476-2542.*

12 Saturday

UROLOGY SPECIAL CONFERENCE: To honor the memory of Donald R. Smith, former chair, Uro., with lectures & discussion. HSW 300. 8:30 a.m.-noon.*

CHILDHOOD CANCER

Childhood Cancer: Successful School Experiences. A workshop for educators, health professionals & families of children with cancer. Sponsored by Dept. Ped. Onc., ACS & Glaxo, Inc. $25. Toland Hall. 8:30 a.m.-4:30 p.m. Call Robin Kramer at 476-1770 for registration & information.*

13 Sunday

ARTHRITIS BENEFIT

Cole, Kern & Coward Classics. Andrea Marcovicci, chanteuse & actress, performs at a dinner concert to benefit the Rosalind Russell Med. Res. Cntr. for Arthritis. Open bar, dinner & concert included. $150. The Family Club, 545 Powell. 6:30 p.m. Call 476-1141 for more information.*

14 Monday

OTOLARYNGOLOGY GRAND ROUNDS: *Evaluation of the Pediatric Neck Mass.* Mark I. Singer, Oto. Followed by highlights from the American Academy meeting. S 214. 8-10 a.m.

VAMC NEURORADIOLOGY ROUNDS. 2A56, VAMC. 9:15-10 a.m.

LABORATORY MEDICINE GRAND ROUNDS: *Prevention of Immunologic & Virologic Complications of Transfusion.* Girish N. Vyas, Lab. Med. L 535. 4-4:50 p.m.

CVRI/PROGRAM OF EXCELLENCE IN MOLECULAR BIOLOGY SEMINAR: *The Role of Lp(a) in Heart Disease.* Richard Lawn, Med., Stanford. S 1364. 4-5:30 p.m.

URORADIOLOGY CONFERENCE. M 464. 5-6 p.m.

IMMUNOLOGY SEMINAR SERIES. HSW 302. 5 p.m.

INSTITUTE OF HEALING ARTS & SCIENCES WORKSHOP: *Exploring Healing Energies.* Leonard Lascow, physician, demonstrates how to use Holoenergetics to heal illness. $15. C 130. 6:30-9:30 p.m. Call Marie Lehrer at 476-3939.*

15 Tuesday

COMBINED PLASTIC SURGERY/ORTHOPEDIC HAND SURGERY GRAND ROUNDS. Toland Hall. 7 a.m.

CLINICAL HEMATOLOGY CONFERENCE. M 1296. 7:30-8:30 a.m.

MULTIDISCIPLINARY TUMOR BOARD: M 1296. 7:30 a.m. Call Barbara Jim-George, 476-1662.

ORAL & MAXILLOFACIAL SURGERY GRAND ROUNDS: *Surgical Management of Temporomandibular Joint Disorders.* Leonard B. Kaban, Oral & Max. Surg. C 701. 8 a.m.

NEW EMPLOYEE ORIENTATION: S 214. 8:30 a.m.-noon. Call Lenard Florendo at 476-1073.

SFGH PEDIATRIC GRAND ROUNDS: *Rheumatic Fever.* Helen Emery, Ped. Rheum. Carr Aud., SFGH. 8:30-9:30 a.m.

TRANSFUSION RESEARCH FORUM: *Cell Biology Experimentation in Zero Gravity.* Philip Lane, NASA/Ames Res. Cntr. L 535. 8:30 a.m.

OB/GYN GRAND ROUNDS: *Update on Current Status of Prenatal Diagnosis.* Mitchell Golbus, Ob/Gyn & Repro. Sci. S 1364. 9 a.m.

PEDIATRIC NEURORADIOLOGY CONFERENCE. HSE 317. 9 a.m.

MULTIPLE HELPERS OUTREACH NETWORK SUPPORT GROUP: For victims & survivors of violent trauma. Ages 18 & over. A 222, LPPI. 10 a.m.-noon. Help-line provided daily, 7 a.m.-10 p.m. at 759-7923.*

SFGH MEDICINE GRAND ROUNDS. Carr Aud., SFGH. 11:30 a.m.

STOMATOLOGY/MICROBIOLOGY/IMMUNOLOGY SEMINAR: *The Impact of Microbial Toxins on Antigen Presentation & T-Cell Receptor Expression.* Kirk Ziegler, Microbio. & Imm., Emory U, Atlanta. S 1364. Noon.

WOMEN'S RESOURCE CENTER PRESENTATION: *Strategizing Your Career Direction.* Susan Eveleth, Dev. & Train., offers strategies to help you take charge of your work life at UCSF. C 417. Noon-1 p.m. Call 476-0400.*

MOUNT ZION BROWN BAG LECTURE SERIES: *Generic Drugs.* John F. Flaherty, Pharm. Herbst Hall, MZ. Noon. Call 476-4394 for information.*

OVEREATERS ANONYMOUS MEETING: Regular OA discussion meeting. N 717B. Noon.*

VAMC EEG READING SESSION. Bldg. 203, Rm. 2A49, VAMC. 3 p.m.

SFGH GI MEDICINE/SURGERY/RADIOLOGY IMAGING CONFERENCE. Rm. 1X58, SFGH. 4-5 p.m.

NEUROLOGY GRAND ROUNDS: *The Evaluation of Autonomic Function.* Philip A Low, Neuro., Mayo Clin. S 664. 5-6 p.m.

16 Wednesday

SURGERY GRAND ROUNDS: *Circulatory Support.* Fraser M. Keith, Cardiac Trans. Prog. & Cadiothor. Surg., VAMC. Toland Hall. 7-8:30 a.m.

OCCUPATIONAL & ENVIRONMENTAL MEDICINE GRAND ROUNDS: *Ranking Jobs by Blood Pressure.* J. Paul Leigh, Econ., San Jose State. A 455. 8-9 a.m.

DERMATOLOGY GRAND ROUNDS: *What's New in Vascular Lesions of HIV-Infection (KS & BA).* Jordan Tappero, Derm. HSW 301. 8-9 a.m.

ENDOCRINE GRAND ROUNDS: *Thyroid Function Tests in Health & Disease.* Lawrence Crapo, Med., Stanford; Endo., Santa Clara Valley Med. Cntr. M 1486. 8:30 a.m.

NUCLEAR MEDICINE SEMINAR: *Legal Liability in Imaging Specialties.* David S. Rubsamen, author & editor, *Professional Liability Newsletter.* LPPI Aud. 8:30 a.m.

PT DISCOVERY DAY

In conjunction with Natl. Physical Therapy Week, the PT Dept. opens its doors to the public so you can test your skills & strength with games, activities & fitness checks. L 126. Noon-2 p.m. (See story on page 8.)*

BROWN BAG LECTURE SERIES: *From the Fast Track to the Balance Track.* Bee Epstein, Bee Epstein Assoc., author & Natl. Speakers Assn. Sponsored by Campus Tours & Speakers Bureau. HSW 300. Noon. Call 476-4394.*

PARNASSUS AL-ANON MEETING: For friends & families of alcoholics. C 517. Noon-1 p.m.*

OCCUPATIONAL & ENVIRONMENTAL MEDICINE GRAND ROUNDS: *Lessons for Industry from the Industrial Limb.* Robert Markison, Surg. Cafe. Conf. Rm., Main Hosp., 2nd fl., Santa Clara Valley Med. Cntr. Noon.

ALUMNI FACULTY ASSOCIATION MEETING. Fac. Alum. House. Noon.

ALCOHOLICS ANONYMOUS MEETING: Closed meeting: alcoholics only. MCB, Rm. 300C. 12:05 p.m.*

MULTIPLE HELPERS OUTREACH NETWORK SUPPORT GROUP: For victims & survivors of violent trauma. Ages 18 & over. Two locations & times: A 222, LPPI, 1-3 p.m., and N 517, 7-10 p.m. Help-line also provided daily, 7 a.m.-10 p.m. at 759-7923.*

PSYCHIATRY GRAND ROUNDS: *Cult Addiction — Psychobiologic Perspectives.* Stanley H. Cath, Psychr., Tufts. LPPI Aud. 1-2 p.m.

HEAD & NECK TUMOR CONFERENCE. A 723. 1 p.m.

SEMINARS IN BIOLOGY SERIES: *Extension of the Leading Lamella: A Direct Test of the Cortical Expansion Model.* John Condeelis, Anat., Albert Einstein Coll. of Med. HSW 300. 4 p.m.

SFGH GI MEDICINE/SURGERY PATIENT CARE CONFERENCE. Rm. 4H2, SFGH. 4:30 p.m.

CHILD NEUROLOGY CONFERENCE: *Diabetic Neuropathy.* Philip A Low, Neuro., Mayo Clin. M 666. 4:30 p.m.

PEDIATRIC UROLOGY CONFERENCE. M 464. 5-6 p.m.

PATHOLOGY GRAND ROUNDS: *Ultrastructure.* Daniel Friend, Path. HSW 508. 5-6:30 p.m.

GREAT EXPECTATIONS PROGRAMS FOR PARENTS FILM SERIES: *Building Relationships for Support During Labor.* Video presentation of *Special Delivery* followed by discussion. A 326. 7-8:30 p.m. Call 476-6667.*

SAN FRANCISCO HISTORY CLASS: Charles Fraccia, SF Hist. Society, lectures on San Francisco's colorful history. HSW 301. 7:30-9:30 p.m. Call 775-1111 for information.*

17 Thursday

ORTHOPEDIC SURGERY STAFF CONFERENCE. HSW 303. 7-8 a.m.

MEDICINE GRAND ROUNDS: *Malignant Pleural Effusions.* Stephen Sahn, Med. & Pulm/Crit. Care, U South Carolina. Toland Hall. 8-9 a.m.

SFGH NEUROLOGY/NEUROSURGERY CONFERENCE. Rm. 4H2, SFGH. 8-9 a.m.

PEDIATRIC GRAND ROUNDS: *Pathophysiology & Management of Pulmonary Hypertension in the Newborn.* Michael A Heymann, Ped. & Ob/Gyn & Repro. Sci. S 664. 8:30-9:30 a.m.

SFGH TRAUMA CENTER CONFERENCE. Rm. 4H2, SFGH. 9-10 a.m.

CLINCAL PATHOLOGY CONFERENCE. S 664. 10-11 a.m.

FACULTY/STAFF ART SHOW OCT. 17 & 18

The Third Annual Faculty/Staff Art Show displays two-dimensional art by campus artists. MU Conf. Cntr. 10 a.m.-6 p.m. Opening reception, Oct. 17, 4-6 p.m. (See story on page 6.)

FAMILY & COMMUNITY MEDICINE/PRIMARY CARE LECTURE SERIES: *Low Back Pain & Joint Examination.* Nancy Byl, Curr. in Phys. Ther. & FCM. A 455. 10 a.m.-noon.

PEDIATRIC TUMOR CONFERENCE. L 34. 11 a.m.-12:15 p.m.

SEXUAL HARRASSMENT

Sexual Harrassment: When Your Employee's Behavior Becomes Your Responsibility. Trisha Brinkman, consultant, gives practical guidelines on identifying & addressing harrassment in the workplace. Sponsored by Women's Resource Cntr. & ABOG. Rm. 125, MCB. Noon-1 p.m. Call 476-0400 for more information.*

OVEREATERS ANONYMOUS MEETING: Step meeting. N 527. Noon.*

GERIATRIC GRAND ROUNDS: *Peptic Ulcer Disease in the Elderly.* James H. Grendell, Med., GI Unit & Physio., SFGH. Herbst Hall, MZ. Noon-1 p.m.

ORAL BIOLOGY 220 SEMINAR: *The Regulation of Acetylcholine Receptors on Neurons.* Peter B. Sargent, Stom. & Physio. S 664. Noon.

MENTAL HEALTH, COMMUNITY & ADMINISTRATIVE NURSING PRESENTATION: *Clinical Studies on Stroke Care: The Swedish Experience.* Elisabeth Hamrin, Dept. Caring Sci., U Linkoping, Sweden. N 517. 3-4 p.m.

MEDICINE/SURGERY ADULT CARDIAC CATHETERIZATION CONFERENCE. L 1361. 4-6 p.m.

CLINICAL ONCOLOGY CONFERENCE. M 1296. 4 p.m.

NEURORADIOLOGY CONFERENCE. HSW 303. 4 p.m.

NEUROBIOLOGY SEMINAR: *Role of Mammalian KEX 2-Like Endoproteases in Precursor Protein Processing.* Gary Thomas, Vollum Inst. for Adv. Biomed. Res., Portland, OR. HSW 300. 4 p.m.

PRIMARY CARE GRAND ROUNDS: *AA from the Inside.* Bruce K., Nelly C. & Jerry S., AA members. A 455. 4:30 p.m.

NEUROSURGERY GRAND ROUNDS. HSW 302. 5-6:30 p.m.

RADIOLOGY GRAND ROUNDS: *IMR of Postoperative Knee.* Jerrold H. Mink, Tower Musculoskeletal Imaging Cntr., LA. HSW 301. 5:15-6:15 p.m.

COLE HALL CINEMA: *Soapdish.* Children under 14 $2; UCSF students & MU members $2.50; students, seniors & UCSF employees (today only) $3; general $3.50. Cole Hall. 5:45 & 7:45 p.m. (Movies subject to change.) Call 476-2542.*

PLASTIC SURGERY LECTURE/DINNER MEETING: *Contemporary Concepts for Facial Rejuvenation.* Bruce Connell, Surg., UC Irvine. Fac. Alum. House, 745 Parnassus. Dinner 6 p.m. Lecture 7 p.m. For reservations call 476-3601.*

ALCOHOLICS ANONYMOUS MEETING: Closed meeting: alcoholics only. LPPI A222. 6 p.m.*

UROLOGY JOURNAL CLUB MEETING. 96 Tourquoise Way, SF. 6:30 p.m. Call 282-4330.

18 Friday

CRI HEMATOLOGY/ONCOLOGY JOURNAL CLUB. M 1296. 8 a.m.

MOUNT ZION MEDICINE GRAND ROUNDS. Herbst Hall, MZ. 8:30-9:30 a.m.

PHARMACEUTICAL CHEMISTRY 221 SEMINAR: *Acyl Migration & Covalent Binding of Drug Glucuronides.* Leslie Z. Benet, Pharm. S 1364. 11 a.m.

INSTITUTE OF HEALING ARTS & SCIENCES LECTURE: *The Politics of Healing: Tales of Mediums & Madmen in Brazil.* Matthew Bronson, author. N 721. Noon-1 p.m.*

SFGH PROGRAM IN CELLULAR & MOLECULAR MEDICINE SEMINAR: *The Role of Endorphine in Pain Control.* Howard L. Fields, Neuro. & Physio. Rm. 3208, 2nd fl., Bldg. 30, SFGH. Noon.

ALCOHOLICS ANONYMOUS MEETING: Closed meeting: alcoholics only. C 417. 12:10-1 p.m.*

COLE HALL CINEMA: *Soapdish.* Children under 14 $2; UCSF students & MU members $2.50; students & seniors $3; general $3.50. Cole Hall. 6:30 & 8:30 p.m. (Movies subject to change.) Call 476-2542.*

CONTINUING EDUCATION

MEDICINE

For program information call 476-4251, registration 476-5808.

Primary Care Medicine: Principles & Practice. Sheraton Palace Hotel, SF. Oct. 2-4.

Pulmonary & Critical Care Medicine. Sheraton Palace Hotel, SF. Oct. 17-19.

Child Neurology in the Decade of the Brain. Hyatt Regency Hotel, SF. Oct. 17-19.

Course in Occupational & Environmental Medicine-Session II. Miyako Hotel, SF. Oct. 21-Nov. 1.

Advances in Occupational & Environmental Medicine. Miyako Hotel, SF. Oct. 29-Nov. 1.

The San Francisco Otology Update: 1991. Ritz-Carlton Hotel, SF. Nov. 7-9.

New Directions in Antiviral Chemotherapy. Sheraton Palace Hotel, SF. Nov. 14-16.

DENTISTRY

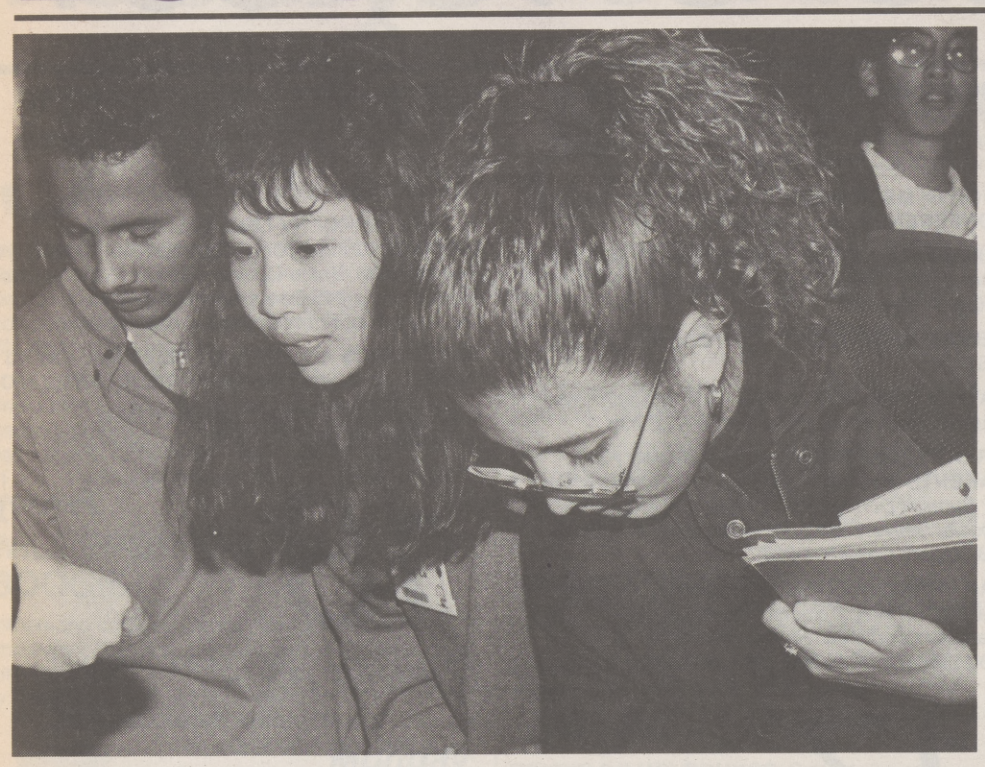
For further information call 476-1101.

A Review of Modern Orthodontics for the General Practitioner. C 701. 8:30 a.m.-4:30 p.m. Oct. 11.

Porcelain Veneers. Call for location. 8:30 a.m.-4:30 p.m. Oct. 12.

*Open to the public.

Benefits/Personnel



New Students' First Fair

By rough estimates, some 750 new faces, all part of the fall crop of incoming students, were in the Millberry Union gym on September 19 to take part in the first "UCSF New Student Fair." Sponsored by the student services of all four schools and the Graduate Division, the fair introduced our new collegians to the wide range of support services and organizations on campus. There was live music in the Plaza Grill, plus a raffle where the students could win a motorbike, stereo system, lunches, dinners and much more. Student Relations, Millberry Programs & Services and the Office of the Vice Chancellor for Staff & Student Human Resources also helped with the fair.

VDT *(from page 1)*

these problems in people who use microscopes a lot," he adds.

Outside corporations regularly consult with Rempel and others in the Ergonomics Lab for their advice on how best to set up work stations. "We work closely with designers and manufacturers of keyboards, computer mice, etc., in companies such as Pac Bell, Apple Computers, and various government agencies, including OSHA," he says.

Other Problems

The second problem with VDTs is visual — too much glare on the screen, eye strain, general lighting issues.

The third problem has to do with potential radiation similar to that in TVs and microwave ovens. "In the early generations of monitors, radiation was a major concern, especially the levels being emitted from the back of the monitor," says Neff. Since the mid-'80s, however, monitors have been significantly shielded and, according to most experts, today's equipment is safe. "For those monitors which still emit some radiation from the rear of the machine, they may be retrofitted with a boot (assuming people have a need to be in proximity to the back of a monitor)," Neff explains. He adds that the next generation of monitors will most likely be liquid display crystal (LDC), which produces no radiation.

Campus is Not Coordinated

"Just from the two open task force meetings we've had, it is very clear that UCSF does have a particular problem," says Neff. "While there is a wealth of information out there from competent people, it really isn't very well coordinated and access to this information may be difficult. The campus has not identified a primary source, office or telephone number for people to call to get the good advice without having to shop around."

A related complaint is that supervisors and employees are sometimes receiving varying or conflicting information. For example, what is the best information/advice on work station chairs, are they sufficiently adjustable and at the same time reasonably comfortable? Neff says that some managers on campus have no idea where to begin. Others try to get some information, but are confused by the maze on campus. So they give up. Still others will buy what they believe is "the right equipment" only to find out that it isn't.

Several departments on campus have been working on the VDT problem for a while, including Environmental Health & Safety, Materiel Management, Workers Comp, Employee Rehabilitation Services, and Occupational Medicine. "But, we need to have these services better coordinated and then present first-rate training programs for supervisors and employees on how to properly use the equipment, what exercises may help, how to identify early on any physical problems and how to manage one's workplace wellness in general," says Neff.

"We have a goal that the task force's recommendations be distributed as a draft to the campus community sometime around Thanksgiving," Neff says. Written comments will be accepted and both the recommendations and the written comments will be given to Vice Chancellor Trygstad and the UCSF executive officers.

Meanwhile, if you are having problems with your work station, discuss it with your supervisor. Your supervisor can call Environmental Health & Safety at 476-1300 to get a free assessment of your work environment. If you already are suffering from pain or discomfort that you think is job-related, talk to someone in Employee Rehabilitation Services by calling 476-2621. If you are in the process of purchasing new work station equipment, call Materiel Management at 476-8808. And, if you have questions on the VDT Task Force itself, call Bill Neff at 476-3905.

See future issues of *Newsbreak* for updated VDT information.

Fun Zone

New UCSF Social Club Meets October 8; Staff & Faculty Art Show October 17 & 18

There's a new club on campus called "UPSTARTS," which stands for "University Professionals, Single, Thirty-Plus and Ready to Socialize." If you fit this category and want to be included, then note that the first gathering is after work on Tuesday, October 8, in the MU Conference Center. There will be a social time from 5:30 to 6 p.m., followed by a presentation by UCSF financial planner John Beeson on "Financial Planning & the Single Professional."

A second UPSTARTS event will follow on Saturday, October 19 — a group outing to the Cal vs. University of Washington game. For more information or to have your name included on the mailing list, call Pat Jackson, 476-4698.

Also note:

• **Staff/Faculty Art Show.** This ever-popular event is now in its third year. The dates are Thursday and Friday, October 17 and 18, from 10 a.m. to 6 p.m. each day in the MU Conference Center — with an opening reception on Thursday, October 17, from 4 to 6 p.m. This year's artists include:

Renaissance Appel, Medicine
Virginia Arnone-Martin, Surgery Center
Einar Brochmann-Hanssen, Pharmaceutical Chemistry
Beth Budra, Neurology
Teri Elander, Metabolic Research Unit
Paul Ford, OR
Geri van Engers, LPPI
Kurt Glowienke, CRM
Phoebe Grigg, Ob/Gyn
Susan Heath, Clinical Pharmacy
Roberta Heidt, Ob/Gyn
Gail Hodgins, Radiology
Jenny Hughes, Medicine, SFGH
Andy Hulett, Med Center Publications
Susan Jardin, Neurology
Elizabeth Juhasz, Restorative Dentistry
Beth Katz, Nursing
Daniel Kilpatrick, Medicine
Rachel Kline, CVRI
Ralph Lee, Radiology, VAMC
Kathryn Lenihan, Housing
Peggy Mason, Neurology
Kathryn Myburgh, CVRI
Anthony Nuno, EMR
Cherie Pinsky, Radiology
Dennis Piper, Med Center Publications
John Reyna, Transportation
Melissa Schniewind, Nursing
Lisa Scott, MU
Richard Shanks, Anesthesia
Paul Stempen, Urology
Eric Stern, Radiology
Pam Tristam, MU
Roberto Vicente, Surgery
Mary Victorio, Medicine
Marion Wiener, Ob/Gyn

• **Put Your Pumpkin Hat On!** It's time to start planning your winning jack-o'-lantern and/or costume for the respective contests at the 6th annual Halloween Festival in Saunders Court on October 31. Call EMPACT! for an entry form for the pumpkin carving contest, 476-2675. No entry form needed for the costume contest — just show up dressed up.

• **"Music in the Library."** It's still taking place in the Lange Reading Room on Wednesday, October 9, at 5:30 p.m. (reception at 5 p.m.), but there's a change in the program. Along with Eileen Hunt from Ob/Gyn, soprano Liz Velarde from Accounting (instead of Lael Carlson) will perform. If you have questions, call the Arts & Performances hotline, 476-2542.

Medsounds Continued

Med Center's 1992 United Way Committee

The 1991-92 United Way Campaign will take place November 4 through 15. Since the next couple of *Medsounds* certainly will get taken up with the list of prizes offered in the annual raffle associated with the campaign in the Medical Center, let us take this early opportunity to introduce the members of this year's United Way Committee. These are the people who bring you the raffle, the agency fairs, organize the donor reps, and make the campaign happen at UCSF and Mount Zion:

Overall chairs:
Laurie Carlson (Nursing) and Rod Seeger (Chaplain Services)

Donor Rep Committee:
Gemma Rieser (Administration), chair
Cynthia Bishop (Service Excellence)
Bert Callen (Clinical Labs)
Rosanne Rappazini (Administration)

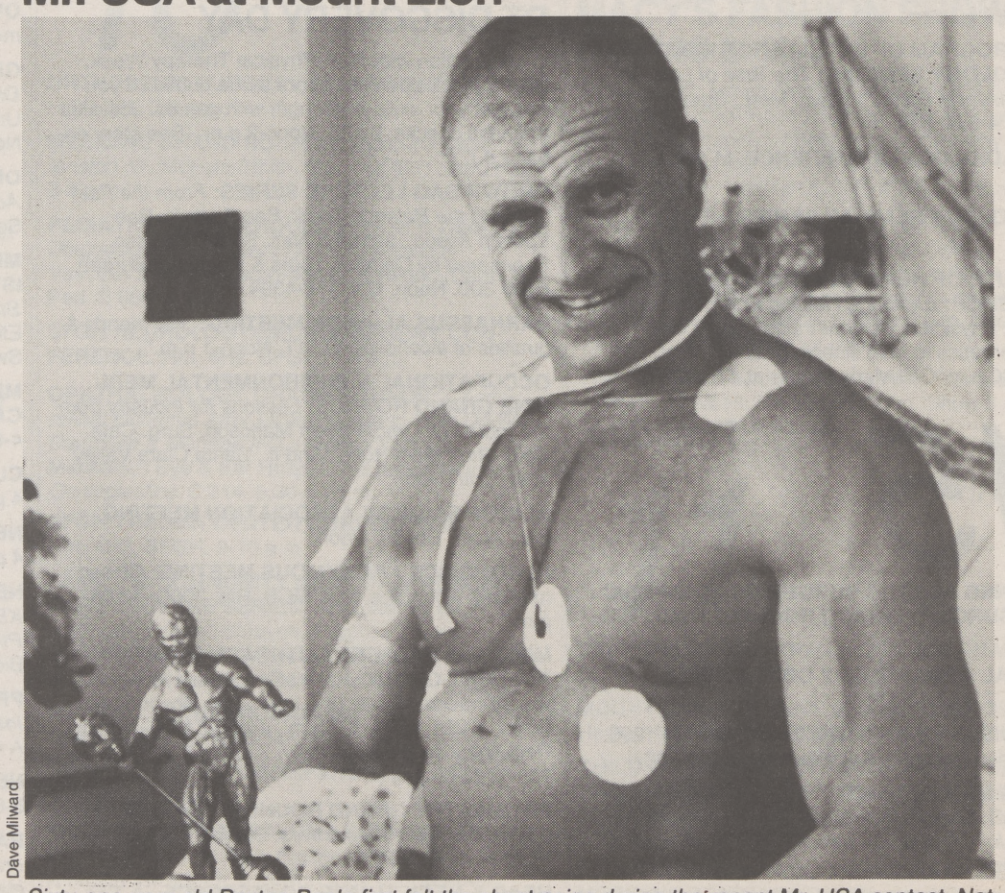
Raffle:
Peggy Cannon (Pre-SEP), chair
Sheila Antrum (Nursing)
Mike Cunningham (Pharmacy)
John Frank (Accounting)
Joan Williams (Nursing)

Agency Fairs:
Cindy Lima (Project Management), chair
Susan Alves-Rankin (Patient Relations)
Mark Bradley (Environmental Services)
Mary Korn (Nutrition & Dietetics)
Terrell Wilson (Building Management)
Donna Alfonso (Nursing)
Joe Gagne (Mount Zion)

Publicity:
Dennis Piper (Med Center Publications), chair
Arthur Cantos (Nursing)
Robin Keating (Planning & Marketing)
Suzanne Williams (HISD)
Bill Vogler (Mount Zion)

Mount Zion liaison:
David Adams

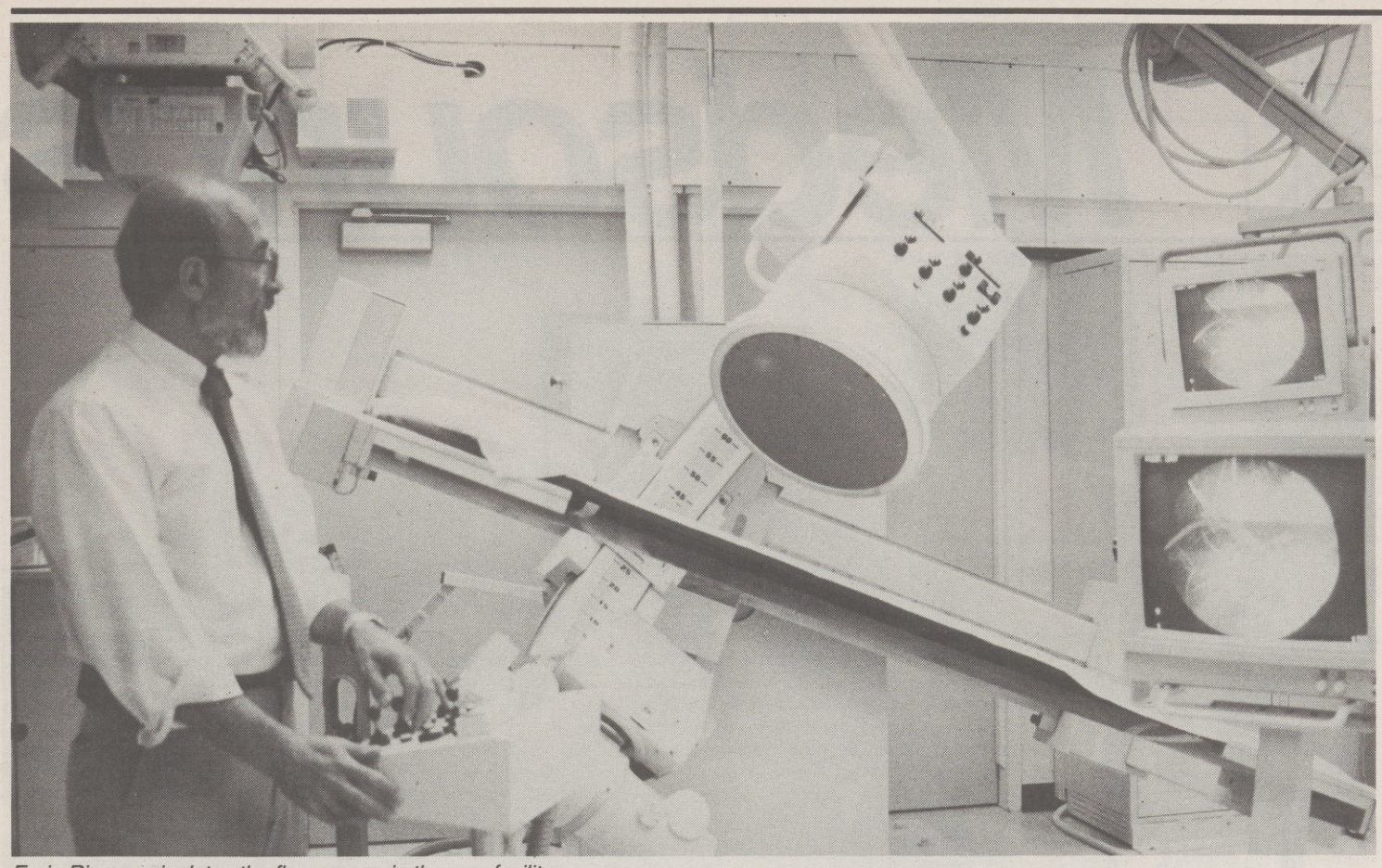
Mr. USA at Mount Zion



Dave Milward

Sixty-one-year-old Paxton Beale first felt the chest pains during the recent Mr. USA contest. Not only did he "bluff his way through," as he puts it, but he came away an overall winner . Within a few weeks time he could no longer ignore the pains, and ended up at Mount Zion for bypass surgery. Here he is just a few days following the surgery, performed by Merrill Bronstein. He concedes he'll have to skip this year's Mr. Universe competition, but he plans to vie for that title at age 62.

Medsounds Continued



Ernie Ring manipulates the fluoroscope in the new facility.

Interventional Radiology Suite a Boon for Biliary Disease Treatment

A new room on the third floor of Moffitt makes it extremely convenient for interventional radiologists and gastroenterologists to work side by side in the treatment of hepatobiliary disorders (i.e., pertaining to the liver and biliary tract).

While in some institutions the interventional radiologists prescribe one method of treatment and the gastroenterologists another, at UCSF the two groups have found that combining disciplines brings much better results.

The new room is an outgrowth of this collaborative effort, says Interventional Radiology's Ernie Ring. Built by Philips North America and truly the first of its kind, the facility combines all the imaging modalities used for the collaborative procedures, including fluoroscopy, endoscopy and ultrasound.

With this new facility added to the strength of the Medical Center's liver transplant program, UCSF is becoming an increasingly important national center for the treatment of liver disorders, says Ring. The number of hepatobiliary interventions performed at UCSF is already by far the greatest in the Bay Area, he says, and the new facility will enable continued development and improvement.

A reception on Monday, November 4, will mark the official introduction of the new suite. For further information, call Interventional Radiology at 476-3131.

Liver Transplant Center Certified For Medicare

UCSF is among the first eight liver transplant centers certified to receive Medicare reimbursement for the procedure. The announcement was made by Health and Human Services Secretary Louis Sullivan on September 25.

Selection of the first centers to qualify for Medicare certification for adult programs involved a lengthy review process to examine the expertise of medical teams, quality of patient care and survival rates, among other factors.

To qualify, transplant programs must document a one-year survival rate of 77 percent and a two-year survival rate of 60 percent for adults who receive liver transplants because of certain specified medical problems.

Since the inception of UCSF's liver transplant program in January 1988, the service has performed 298 transplants on adults and children with a one-year survival rate of 88 percent.

"This certification recognizes our success in caring for liver transplant recipients and our leadership in advancing the liver transplant field through research and education," said Nancy Ascher, chief of the UCSF Transplant Services and one of the nation's foremost authorities on liver transplantation.

The other liver transplant programs to receive certification include UCLA Medical Center, California-Pacific Medical Center in San Francisco, the University of Pittsburgh Medical Center, the University of Nebraska Medical Center in Omaha, Rush-Presbyterian-St. Luke's Medical Center in Chicago, University of Wisconsin Hospitals in Madison, and the University of Michigan Hospitals in Ann Arbor. A total of 31 medical centers have applied for Medicare certification for their adult liver transplant programs. Medicare will pay only for transplants performed at certified centers.

Medshorts

Have Your Pulmonary Function Tested During Respiratory Therapy Week

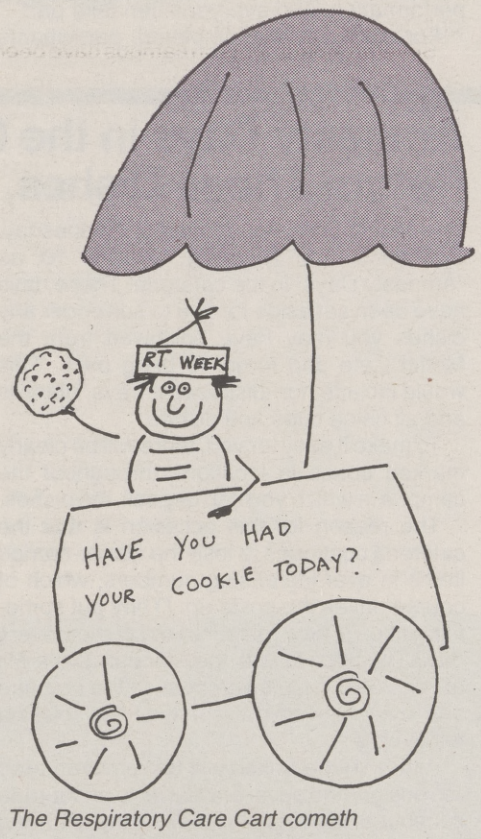
If your department needs ideas on how to celebrate your national recognition week, you might check with Respiratory Care. In the planning stages for National Respiratory Therapy Week, October 6 through 12, here's what they had going:

- A contest for all staff: "Guess the number of adapters in the cascade."
- Staff-conducted inservices throughout the week relating to particular areas of expertise — such as "How to Make Sushi."
- Team competitions: Two-person teams competing against other teams (or the clock) in various RT activities, such as setting up ventilators, etc.
- A breakfast
- A lunch
- A dinner
- For the rest of the campus: Free pulmonary function tests in the Med Sci lobby on Wednesday, October 9, 8 a.m. to noon.
- Bake sale: You can catch the bake sale in two places — in the Med Sci lobby on October 9 in conjunction with the PFTs (see above) or by way of Respiratory Care's famous "we bring it to you" sales technique. They load a cart with baked goods and roll it around to several departments. The proceeds from this go into the department's personal fund, but then, of course, they are a good cause.

If you want to make sure their bake cart gets rolled to your department, or if you want to consult with the RT Week events planners, call 476-2452 and ask for Pearl Jue, Patti Diluzio, Sue Kymala, Lillian Fifer, or Mike Mahlneister.

Once Again: Illustrators Needed

The Medical Center's Patient Education Committee, which puts together informational booklets, brochures and flyers for patients, is looking for artists to help them out with illustrations. This would be on a volunteer basis, but if you like to draw and you're looking for an outlet, consider this an opportunity. At any rate, your contributions would be *very* appreciated. If you're interested, call committee co-chair Susan Barbour, 476-3175, or leave a message at 476-1848.



The Respiratory Care Cart cometh

Thanks for the Books; We Could Also Use Videos

Volunteer Services bookcart coordinator Tony Giacone and the bookcart staff wish to impart the following message: "Thanks for all the pocketbooks and magazines! The response has been terrific. Patients are really enjoying the good selection. And anyone else who would like to deposit their surplus reading material with us, that's fine." Drop it off at the Volunteer Office, L 119A, or at the Information Desk in the Moffitt lobby.

While you're cleaning out your bookshelves, check your video corner. Volunteer Services' Patient Video Program also is very popular, but they could stand to bolster their inventory. Perhaps you have connections with a video store that needs an outlet for surplus or spent videos. You may bring your videos to the book drop-off locations above. For further information, call Volunteer Services, 476-1196.

Three Simple Things You Can Do to Help the UCSF and MZ Auxiliaries

If the big fundraisers planned by the respective auxiliaries of UCSF and Mount Zion seem to be out of your reach, there are some smaller ways in which you can help out:

- Safeway Gift Certificates. The Mount Zion Auxiliary is selling Safeway Gift Certificates that you buy at face value ($20 or $25) and then spend like money when you shop at Safeway, Pak 'n Save or Bon Appetit. The organization has to sell *a lot* of these before they make much money, so if you shop at Safeway anyway, you have nothing to lose by buying these certificates — and the Auxiliary has something to gain. Purchase them in the Auxiliary Office on the second floor of the MZ Outpatient Building, or phone 885-7354 for mail order instructions.
- MZ Auxiliary Day at the Races. Join the Auxiliary at Bay Meadows on Sunday, October 27. Tickets are $30 a person, which includes admission, reserved seating, lunch, program and discounted valet parking. Post time is 1 p.m. Purchase your tickets in the same manner as for Safeway coupons, see preceding item.
- Entertainment '92. If you missed the news that the UCSF Auxiliary's discount entertainment books for 1992 are now on sale, take heed: They are, and they're valid from the moment you buy them. For $35 you get big discounts at restaurants, hotels, events, etc. Good through October 31, 1992. Purchase at the UCSF Auxiliary Office, M 182, or call 476-4906 for mail order instructions.

If You Stand Out

If you have received an award, marked a milestone, made an accomplishment, published something or otherwise distinguished yourself, please let this publication know. Likewise, if you know someone who did one of the above. Call *Medsounds*, 476-1541.

Mammography Van *(from page 8)*

Van will park and provide services on Union Square from Monday, October 7, through Thursday, October 11. The Mammography Van has parked in some pretty tight spots in its history — including the Financial District. But the Union Square parking place is going to be on Powell Street. "Can you imagine?" says manager Maureen Stull. "We'll be competing with the cable cars!" In any case, she says, the SFPD will orchestrate the parking situation, and all the major department stores are wholeheartedly supporting the van's presence and promoting the "Race for the Cure" events.

- **Pier One Promotion.** During the week of October 14, the van will be parking in front of various locations of the Pier One chain, which is running a promotion in conjunction with the campaign.

Then, of course, there is the race itself on the 27th, at which the van and van staff will be present. All this will take place in addition to their regular work in the community, says Maureen. Since the mobile service is a fairly unique entity in San Francisco, they are booked just about solid these days, chalking up about 10,000 examinations a year. This feat essentially is accomplished by a staff of seven people, including Dr. Sickles. In addition to Maureen, there are three radiologic technologists — Carol Gallagher, Catalina Matulic and Julie Sherman; plus secretary Betty Eckmann and assistant Gail Hodgins.

Gamma Knife *(from page 8)*

arteriovenous malformations (AVMs), the tangled masses of engorged blood vessels in the brain that can lead to hemorrhage or stroke. For AVMs, the gamma knife radiation does not destroy the malformation outright. Instead, it triggers cells in the vessels' lining to proliferate, and within one or two years abnormal blood vessels disappear. It is especially valuable for patients whose AVMs are buried near delicate nerves.

For all it can do, the gamma knife is not always the cure or best option for patients. For AVMs in easily accessible areas of the brain, for example, surgery is not risky and a cure is realized immediately.

Also, its use is limited only to areas of the brain. Because the technique relies on precise aim, the target organ must be completely still. Organs other than the brain move with every breath.

At UCSF, says Harsh, a large team will be involved in determining which patients are best suited for the gamma knife. The team includes neurosurgeons, radiation oncologists, interventional radiologists, medical physicists, nurses and technicians.

UCSF Medsounds

Volume 6, Number 17 October 5-18, 1991

UCSF Mammo Van Plays Starring Role in Regional Campaign

The local chapter of the Susan G. Komen Breast Cancer Foundation has organized a huge campaign in the Bay Area during October (Breast Cancer Awareness Month) — and our UCSF Mobile Mammography Service is serving as a sort of working mascot for the entire affair.

The highlight of the month will be the "Race for the Cure" in Golden Gate Park on October 27, a fun run expected to raise enough money to provide 3,000 mammograms for the underserved — to be provided by our Mammography Van. (See *Newsbreak,* page one, for further information).

Preceding the "Race for the Cure," the UCSF Mammography Van and staff will be involved in a number of activities to advertise the race, as well as to promote the importance of breast cancer screening in general:

- **The Kickoff**. On Sunday, October 6, the van staff will drive downtown, park in Union Square, and tie a ribbon around the enormous vehicle. Then, at 5 p.m., former Giants star Dave Dravecky will raise a banner proclaiming "The Race is On," cut the ribbon, and the month's events will begin. (Dravecky lost his arm to bone cancer earlier this year.)
- **The Awards Ceremony.** This will take place at the Hilton at 5:30 p.m., immediately following the kickoff. Among the five people to be honored for community service will be Edward A. Sickles, UCSF professsor of radiology and medical director for the Mammography Van.
- **Union Square Stint.** In what should prove to be an amazing feat, the Mammography

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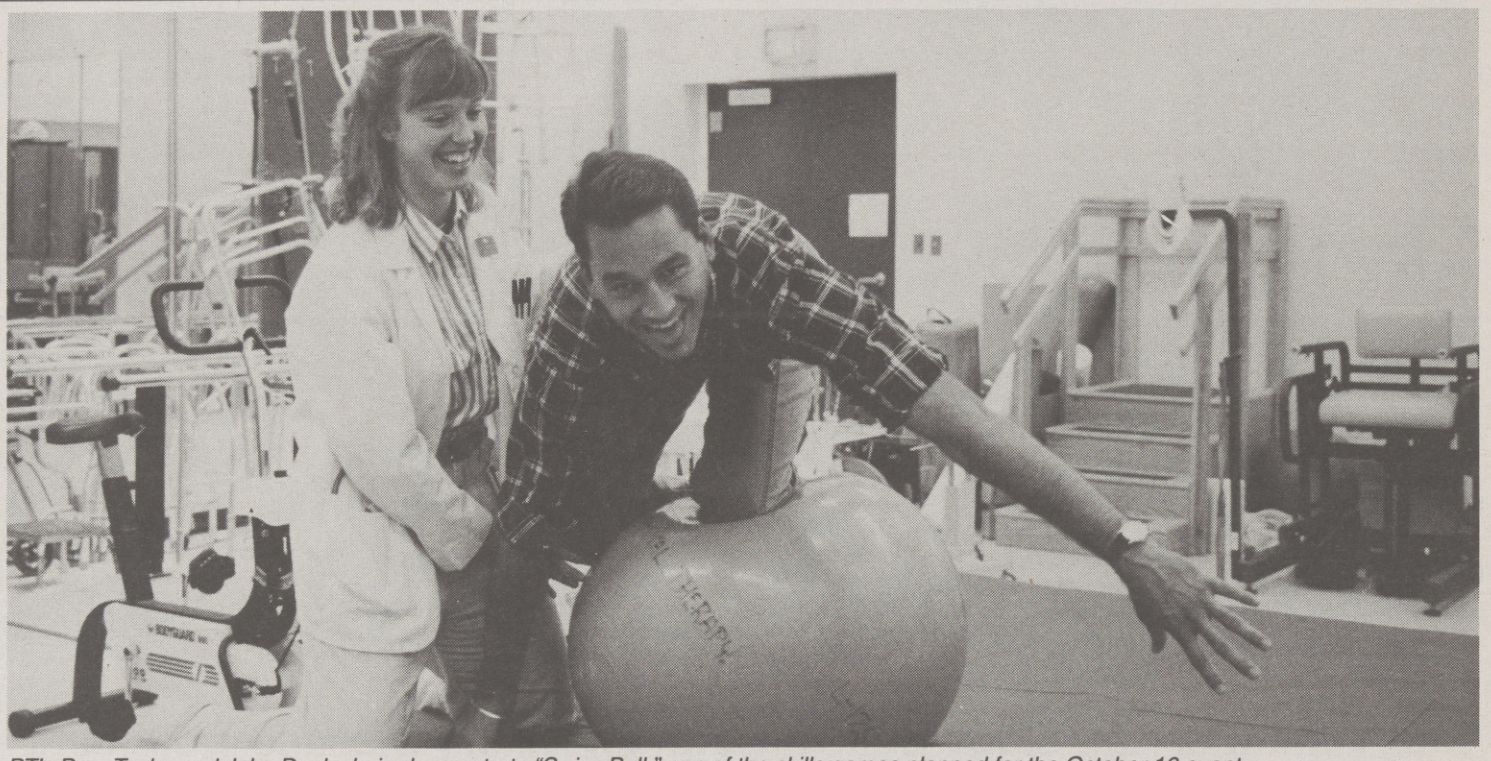


PT's Pam Taylor and John Duplechein demonstrate "Swiss Ball," one of the skills games planned for the October 16 event.

Physical Therapy Discovery Day October 16

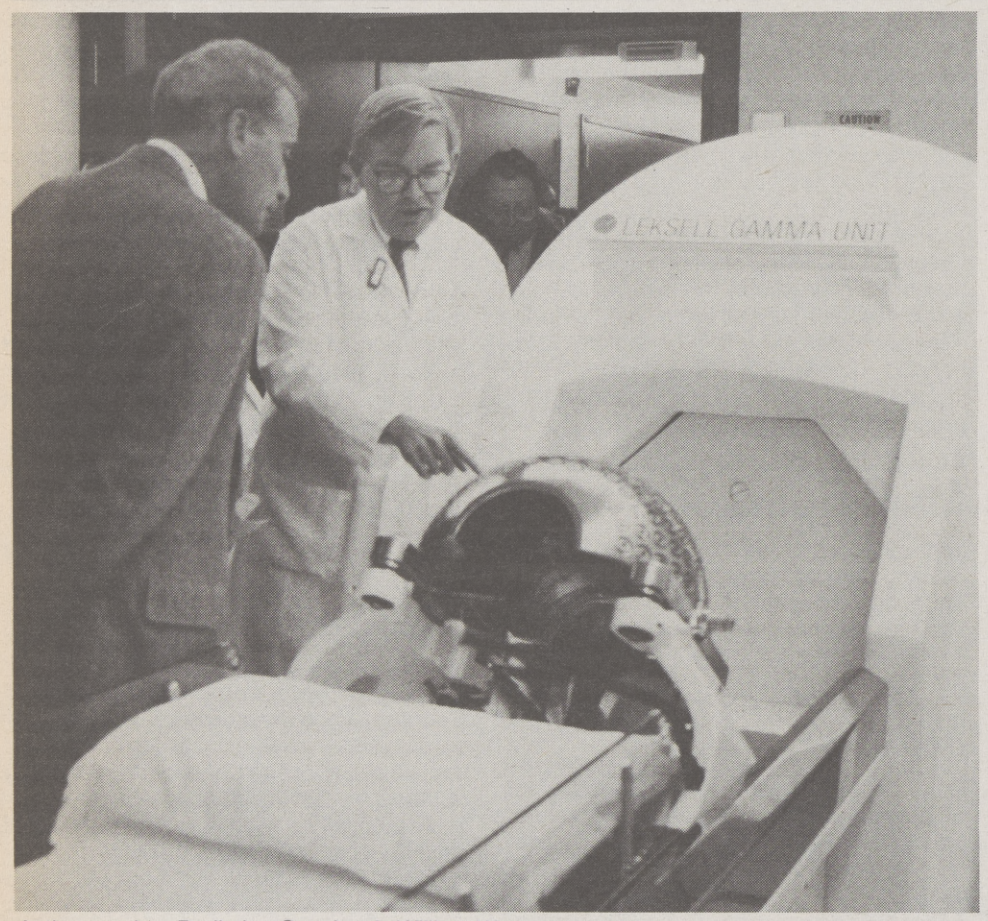
The staff in the Physical Therapy Department is offering you a novel way to spend your lunch hour on Wednesday, October 16: They've planned a "Physical Therapy Discovery Day" from noon to 2 p.m. in the PT gym in L 123.

Under the "what to wear" category, the advice is "comfortable clothing." This is not a passive event.

Visitors will be invited to participate in a par course of activities ranging from skills games — such as a wheelchair obstacle course to give you a feel for what it's like to navigate a wheelchair — to a variety of stations to test your fitness and body mechanics. Most of the activities will be set up in the form of fun and simple (but educational!) games, says physical therapist Ilene Chazon, one of the event coordinators. In other words, "PT Discovery Day" has more to do with fun than skill or performance, and everyone can take part.

For each activity completed, participants will be issued tickets that can be traded in for a buffet lunch as well as a chance at winning your own "PT Week" T-shirt.

PT Discovery Day has been planned in conjunction with National Physical Therapy Week (which is actually October 7 through 11.) Every member of the department is part of the production crew, with Ilene, Pam Taylor and Kris Ishii serving as coordinators. For further information, call 476-1715.



At the opening, Radiation Oncology's William Wara gave pointers.

Amnesty Days in the Cafeteria Oct. 9 & 10: Return Those Dishes, Nary a Question Asked

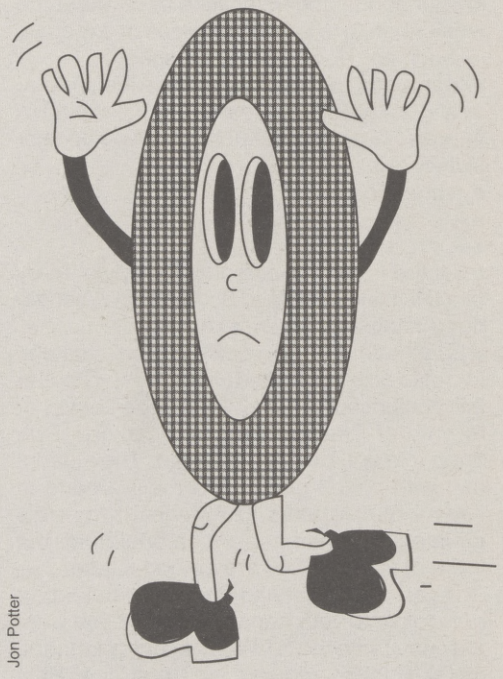
The Moffitt Cafe has declared Wednesday, October 9, and Thursday, October 10, as "Amnesty Days" in the cafeteria. These days have been set aside for you to surrender any dishes you may have borrowed from the Moffitt Cafe and forgot to bring back. This would include non-disposable trays, utensils and all china cups and dishes.

To make it easy for you, there will be clearly marked boxes in locations throughout the campus in which you can deposit the dishes.

The reason for this occasion is that the cafeteria continues to lose the above-named items in ever-increasing numbers, which of course drives the costs up. (They put something like 71 new forks into circulation every day.) The hope is that the Amnesty Days will at very least raise awareness to the problem and maybe even get some of the missing items back.

Although the boxes will be removed after the designated days, the plan is to encourage continued dish return by making the following offer: If you see cafeteriaware anywhere outside the cafeteria, call Nutrition & Dietetics at 476-1461, and they'll come pick it up.

For further information check the publicity in the Moffitt Cafe. If you have specific questions, call Beth Neal or Tami Margarum at the number above.



Jon Potter

Medical Center's New Gamma Knife Makes Bloodless Brain Surgery Possible

The much anticipated gamma knife housed in Radiation Oncology made its debut on September 19 with an official ribbon-cutting and a major receiving line as members of the hospital staff, campus and community filed through to inspect the new equipment.

The excitement surrounding the gamma knife is related to the many new capabilities the new machine will open up in the area of neurosurgery.

The UCSF Gamma Knife — which is one of only eight in the US and two west of the Mississippi — is a new weapon for patients with difficult-to-reach tumors and tangled blood vessels in the brain.

The high tech tool works by way of gamma rays, fired with such pinpoint accuracy that only the diseased cells are destroyed and adjacent healthy tissue is left intact. Brain surgery in this manner is bloodless. No incision or opening of the skull is required, and patients leave the hospital usually a day after the procedure.

One of the most enthusiastic proponents of the gamma knife is Brain Tumor Research Center director Charles Wilson, who calls it a "precise and sophisticated approach" that offers "exciting possibilities." Some of these possibilities are explained by neurosurgeon Griffith Harsh and radiation oncologist David Larson, the directors of the Gamma Knife Program and the Gamma Knife Facility, respectively.

Among the beneficiaries of the technology will be patients with small, malignant brain tumors that are difficult to reach, says Harsh. The gamma knife is able to penetrate areas too deep or too risky for the scalpel.

It also may be used in conjunction with conventional surgery or radiation, he explains. For example, the gamma knife can obliterate lesions left after surgical removal of large tumors, or it can be used when a tumor recurs.

A major advantage of the gamma knife, says Larson, is its ability to deliver high doses of radiation directly to a brain tumor, and it will often be used as a booster for patients receiving conventional radiation therapy.

With conventional radiation therapy, he explains, low doses of radiation are delivered to the tumor daily over six weeks. The low doses over an extended period are required because that's all the normal brain tissue that surrounds the tumor can tolerate. Since the radiation emitted by the gamma knife will hit the tumor directly without damaging healthy tissue, more radiation can be administered to the tumor if needed.

The higher dose also will cut down the risk of the tumor regrowing. A problem with conventional radiation therapy is that tumor cells sometimes grow back before healthy brain tissue has recovered from radiation and it is too soon to administer more therapy.

In cases where the tumor is small, the gamma knife will be the only radiation a brain tumor patient will need, eliminating weeks of radiation therapy and the discomfort that goes with it.

The new tool also will be used to treat

(continued on page 7)